

#26

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 09/856,617 D
Source: 1600
Date Processed by STIC: 10/26/04

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DATE: 10/26/2004

PATENT APPLICATION: US/09/856,617D

TIME: 08:36:53

Input Set : A:\766.52.txt

Output Set: N:\CRF4\10252004\I856617D.raw

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3 <110> APPLICANT: KYOWA HAKKO KOGYO CO., LTD.,
5 <120> TITLE OF INVENTION: NOVEL POLYPEPTIDE
7 <130> FILE REFERENCE: 766.52
9 <140> CURRENT APPLICATION NUMBER: US 09/856,617D
10 <141> CURRENT FILING DATE: 2001-05-24
12 <150> PRIOR APPLICATION NUMBER: H10-332484
13 <151> PRIOR FILING DATE: 1998-11-24
15 <150> PRIOR APPLICATION NUMBER: H11-248442
16 <151> PRIOR FILING DATE: 1999-09-02
18 <160> NUMBER OF SEQ ID NOS: 18
19 <170> SOFTWARE: PatentIn Ver. 2.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 4173
23 <212> TYPE: DNA
24 <213> ORGANISM: Mouse
26 <220> FEATURE:
27 <221> NAME/KEY: CDS
28 <222> LOCATION: (107)..(4021)
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33 tcgggccccg gaacgagccg cgctggcggc ggcggcggtg gccgcg atg atg gag 115
34                                     Met Met Glu
35                                     1
37 atc cag atg gac gag gga gga ggt gtg gtg gtg tac caa gac gac tac 163
38 ile gln met asp glu gly gly gly val val val tyr gln asp asp tyr
39      5              10              15
41 tgc tcg ggc tcg gtc atg tcg gag cgt gtg tcg ggc ctg gcg ggc tcc 211
42 cys ser gly ser val met ser glu arg val ser gly leu ala gly ser
43 20              25              30              35
45 atc tac cgc gag ttc gag cgc ctc att cac tgc tat gac gag gag gtg 259
46 ile tyr arg glu phe glu arg leu ile his cys tyr asp glu glu val
47      40              45              50
49 gtc aag gag ctc atg ccg ctg gtg gtg aac gtg ctg gag aac ctt gac 307
50 val lys glu leu met pro leu val val asn val leu glu asn leu asp
51      55              60              65
53 tcg gtg ctg agc gag aac cag gag cac gag gtg gag ctg gag ctc cta 355
54 ser val leu ser glu asn gln glu his glu val glu leu glu leu leu
55      70              75              80
57 cgc gag gac aac gag cag ctg ctc acg caa tac gag cgc gag aag gcg 403
58 arg glu asp asn glu gln leu leu thr gln tyr glu arg glu lys ala
59      85              90              95
61 ctg cgc aaa cag gcc gag gag aaa ttc atc gaa ttt gaa gat gcc ttg 451
62 leu arg lys gln ala glu glu lys phe ile glu phe glu asp ala leu

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| 63 | 100 | | | | 105 | | | | 110 | | | | 115 | | |
| 65 | gaa caa gag aag aaa gaa ctc cag atc cag gta gaa cat tat gag ttt | | | | | | | | | | | | | 499 | |
| 66 | Glu | Gln | Glu | Lys | Lys | Glu | Leu | Gln | Ile | Gln | Val | Glu | His | Tyr | |
| 67 | | | | | | | | | | | | | | | |
| 69 | cag aca cgc cag ctg gag cta aag gcc aaa aac tat gca gat cag att | | | | | | | | | | | | | 547 | |
| 70 | Gln | Thr | Arg | Gln | Leu | Glu | Leu | Lys | Ala | Lys | Asn | Tyr | Ala | Asp | |
| 71 | | | | | | | | | | | | | | | |
| 73 | tcc cga ctg gag gaa cga gaa tcg gag atg aag aag gaa tac aat gcc | | | | | | | | | | | | | 595 | |
| 74 | Ser | Arg | Leu | Glu | Glu | Arg | Glu | Ser | Glu | Met | Lys | Lys | Glu | Tyr | |
| 75 | | | | | | | | | | | | | | | |
| 77 | ctg cac cag cgg cac aca gag atg atc cag acc tat gtg gaa cac att | | | | | | | | | | | | | 643 | |
| 78 | Leu | His | Gln | Arg | His | Thr | Glu | Met | Ile | Gln | Thr | Tyr | Val | Glu | |
| 79 | | | | | | | | | | | | | | | |
| 81 | gaa aga tcc aag atg cag caa gtt ggg ggt agc ggc caa aca gaa agc | | | | | | | | | | | | | 691 | |
| 82 | Glu | Arg | Ser | Lys | Met | Gln | Gln | Val | Gly | Gly | Ser | Gly | Gln | Thr | |
| 83 | 180 | | | | | | | | | | | | | | |
| 85 | agc ctg ccc ggg cgg agg aag gag cgt ccc acc tct ctg aat gtc ttc | | | | | | | | | | | | | 739 | |
| 86 | Ser | Leu | Pro | Gly | Arg | Arg | Lys | Glu | Arg | Pro | Thr | Ser | Leu | Asn | |
| 87 | | | | | | | | | | | | | | | |
| 89 | ccc ctg gct gat ggc atg tgt cca aac gat gag atg tct gag tca ggc | | | | | | | | | | | | | 787 | |
| 90 | Pro | Leu | Ala | Asp | Gly | Met | Cys | Pro | Asn | Asp | Glu | Met | Ser | Glu | |
| 91 | | | | | | | | | | | | | | | |
| 93 | cag tcc tca gca gct gca aca ccc agt acc aca ggt acc aag tcc aac | | | | | | | | | | | | | 835 | |
| 94 | Gln | Ser | Ser | Ala | Ala | Ala | Thr | Pro | Ser | Thr | Thr | Gly | Thr | Lys | |
| 95 | | | | | | | | | | | | | | | |
| 97 | aca ccc acg tcc tcc gtg ccc tca gca gca gtc acg cca ctc aac gag | | | | | | | | | | | | | 883 | |
| 98 | Thr | Pro | Thr | Ser | Ser | Val | Pro | Ser | Ala | Ala | Val | Thr | Pro | Leu | |
| 99 | | | | | | | | | | | | | | | |
| 101 | agc cta cag ccc ctg ggg gac tat gtc agt gtc aca aag aac aac aag | | | | | | | | | | | | | 931 | |
| 102 | Ser | Leu | Gln | Pro | Leu | Gly | Asp | Tyr | Val | Ser | Val | Thr | Lys | Asn | |
| 103 | 260 | | | | | | | | | | | | | | |
| 105 | cag gcc cga gag aag cgc aat agc cgt aac atg gag gtc cag gtc acc | | | | | | | | | | | | | 979 | |
| 106 | Gln | Ala | Arg | Glu | Lys | Arg | Asn | Ser | Arg | Asn | Met | Glu | Val | Gln | |
| 107 | | | | | | | | | | | | | | | |
| 109 | caa gag atg cgg aac gtc agt atc ggc atg ggc agc agt gac gag tgg | | | | | | | | | | | | | 1027 | |
| 110 | Gln | Glu | Met | Arg | Asn | Val | Ser | Ile | Gly | Met | Gly | Ser | Ser | Asp | |
| 111 | | | | | | | | | | | | | | | |
| 113 | tcc gat gtt cag gac att atc gac tcc acc cca gag ctg gat gtg tgt | | | | | | | | | | | | | 1075 | |
| 114 | Ser | Asp | Val | Gln | Asp | Ile | Ile | Asp | Ser | Thr | Pro | Glu | Leu | Asp | |
| 115 | | | | | | | | | | | | | | | |
| 117 | cct gaa acc cgt ctg gag cgc aca gga agc agc cca acc cag gga att | | | | | | | | | | | | | 1123 | |
| 118 | Pro | Glu | Thr | Arg | Leu | Glu | Arg | Thr | Gly | Ser | Ser | Pro | Thr | Gln | |
| 119 | | | | | | | | | | | | | | | |
| 121 | gta aac aaa gct ttt gga atc aac act gac tcc ttg tat cac gaa ctc | | | | | | | | | | | | | 1171 | |
| 122 | Val | Asn | Lys | Ala | Phe | Gly | Ile | Asn | Thr | Asp | Ser | Leu | Tyr | His | |
| 123 | 340 | | | | | | | | | | | | | | |
| 125 | tcc acg gcg gga tct gag gtc atc ggg gat gtg gac gag gga gct gat | | | | | | | | | | | | | 1219 | |
| 126 | Ser | Thr | Ala | Gly | Ser | Glu | Val | Ile | Gly | Asp | Val | Asp | Glu | Gly | |
| 127 | | | | | | | | | | | | | | | |

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| 129 | ctc | cta | ggg | gag | ttt | tca | gtg | cgc | gat | gat | ttt | ttt | gga | atg | ggc | aaa | 1267 |
| 130 | Leu | Leu | Gly | Glu | Phe | Ser | Val | Arg | Asp | Asp | Phe | Phe | Gly | Met | Gly | Lys | |
| 131 | | | 375 | | | | | | 380 | | | | | 385 | | | |
| 133 | gaa | gtg | ggg | aac | ctg | ctg | ctg | gag | aac | tca | cag | ctt | cta | gag | aca | aaa | 1315 |
| 134 | Glu | Val | Gly | Asn | Leu | Leu | Leu | Glu | Asn | Ser | Gln | Leu | Leu | Glu | Thr | Lys | |
| 135 | | | 390 | | | | | | 395 | | | | | 400 | | | |
| 137 | aat | gct | tta | aat | gta | gtg | aag | aat | gac | ctc | att | gct | aag | gtt | gac | caa | 1363 |
| 138 | Asn | Ala | Leu | Asn | Val | Val | Lys | Asn | Asp | Leu | Ile | Ala | Lys | Val | Asp | Gln | |
| 139 | | 405 | | | | | 410 | | | | | 415 | | | | | |
| 141 | ctg | tca | gga | gaa | cag | gag | gtc | ctg | aag | ggg | gag | ctg | gaa | gca | gcc | aag | 1411 |
| 142 | Leu | Ser | Gly | Glu | Gln | Glu | Val | Leu | Lys | Gly | Glu | Leu | Glu | Ala | Ala | Lys | |
| 143 | 420 | | | | | | 425 | | | | 430 | | | | | 435 | |
| 145 | caa | gcg | aaa | gtc | aag | ctg | gag | aac | cga | atc | aaa | gag | ctt | gaa | gaa | gaa | 1459 |
| 146 | Gln | Ala | Lys | Val | Lys | Leu | Glu | Asn | Arg | Ile | Lys | Glu | Leu | Glu | Glu | Glu | |
| 147 | | | | 440 | | | | | 445 | | | | | | | 450 | |
| 149 | ctg | aag | aga | gtc | aag | tca | gag | gca | gta | act | gcc | cgc | cgt | gag | ccc | aga | 1507 |
| 150 | Leu | Lys | Arg | Val | Lys | Ser | Glu | Ala | Val | Thr | Ala | Arg | Arg | Glu | Pro | Arg | |
| 151 | | | 455 | | | | | | 460 | | | | | 465 | | | |
| 153 | gaa | gag | gtg | gag | gat | gta | agc | agc | tat | ctc | tgt | aca | gaa | ttg | gac | aaa | 1555 |
| 154 | Glu | Glu | Val | Glu | Asp | Val | Ser | Ser | Tyr | Leu | Cys | Thr | Glu | Leu | Asp | Lys | |
| 155 | | | 470 | | | | | | 475 | | | | | 480 | | | |
| 157 | atc | ccc | atg | gcc | cag | cgc | cga | cgc | ttc | aca | cgg | gtg | gag | atg | gcc | cga | 1603 |
| 158 | Ile | Pro | Met | Ala | Gln | Arg | Arg | Arg | Phe | Thr | Arg | Val | Glu | Met | Ala | Arg | |
| 159 | | 485 | | | | | 490 | | | | | | 495 | | | | |
| 161 | gtg | ctc | atg | gaa | cgc | aac | cag | tac | aag | gaa | cgc | ctc | atg | gag | ctg | cag | 1651 |
| 162 | Val | Leu | Met | Glu | Arg | Asn | Gln | Tyr | Lys | Glu | Arg | Leu | Met | Glu | Leu | Gln | |
| 163 | 500 | | | | | 505 | | | | | 510 | | | | | 515 | |
| 165 | gag | gct | gtg | agg | tgg | act | gaa | atg | atc | aga | gca | tca | agg | gaa | cac | cca | 1699 |
| 166 | Glu | Ala | Val | Arg | Trp | Thr | Glu | Met | Ile | Arg | Ala | Ser | Arg | Glu | His | Pro | |
| 167 | | | | 520 | | | | | | | 525 | | | | | 530 | |
| 169 | tct | gtc | cag | gag | aag | aag | aag | tcc | acc | atc | tgg | cag | ttc | ttt | agt | cgc | 1747 |
| 170 | Ser | Val | Gln | Glu | Lys | Lys | Lys | Ser | Thr | Ile | Trp | Gln | Phe | Phe | Ser | Arg | |
| 171 | | | 535 | | | | | | 540 | | | | | 545 | | | |
| 173 | ctc | ttc | agc | tcc | tca | tct | agc | ccc | cct | ccg | gcc | aaa | cga | tcc | tac | cca | 1795 |
| 174 | Leu | Phe | Ser | Ser | Ser | Ser | Ser | Pro | Pro | Pro | Ala | Lys | Arg | Ser | Tyr | Pro | |
| 175 | | | 550 | | | | | | 555 | | | | | 560 | | | |
| 177 | tct | gtg | aac | att | cac | tac | aag | tca | ccc | act | gca | gct | ggc | ttt | agc | cag | 1843 |
| 178 | Ser | Val | Asn | Ile | His | Tyr | Lys | Ser | Pro | Thr | Ala | Ala | Gly | Phe | Ser | Gln | |
| 179 | | 565 | | | | | 570 | | | | | | 575 | | | | |
| 181 | cgt | cgc | agc | cat | gct | ttg | tgc | cag | atc | tca | gcc | ggc | agc | agg | ccc | ctg | 1891 |
| 182 | Arg | Arg | Ser | His | Ala | Leu | Cys | Gln | Ile | Ser | Ala | Gly | Ser | Arg | Pro | Leu | |
| 183 | 580 | | | | | 585 | | | | | 590 | | | | | 595 | |
| 185 | gag | ttc | ttc | cct | gat | gat | gac | tgc | acc | tct | tct | gcc | cgg | cgg | gag | cag | 1939 |
| 186 | Glu | Phe | Phe | Pro | Asp | Asp | Asp | Cys | Thr | Ser | Ser | Ala | Arg | Arg | Glu | Gln | |
| 187 | | | | 600 | | | | | | 605 | | | | | | 610 | |
| 189 | aag | cgg | gag | cag | tac | cgc | cag | gtt | cgt | gaa | cac | gtg | cgc | aat | gat | gac | 1987 |
| 190 | Lys | Arg | Glu | Gln | Tyr | Arg | Gln | Val | Arg | Glu | His | Val | Arg | Asn | Asp | Asp | |
| 191 | | | | 615 | | | | | | 620 | | | | | | 625 | |
| 193 | ggg | agg | ctg | cag | gcc | tgt | ggg | tgg | agc | ctg | cct | gcc | aag | tac | aag | cag | 2035 |

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|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
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| 195 | | | 630 | | | | | 635 | | | | | 640 | | | | |
| 197 | ctg | agc | ccc | aat | gga | ggc | cag | gaa | gac | acc | cgg | atg | aaa | aat | gtg | cct | 2083 |
| 198 | Leu | Ser | Pro | Asn | Gly | Gly | Gln | Glu | Asp | Thr | Arg | Met | Lys | Asn | Val | Pro | |
| 199 | | | 645 | | | | | 650 | | | | | 655 | | | | |
| 201 | gtc | cct | gtg | tac | tgt | cgc | cct | ctg | gtg | gag | aag | gac | cct | tcg | aca | aag | 2131 |
| 202 | Val | Pro | Val | Tyr | Cys | Arg | Pro | Leu | Val | Glu | Lys | Asp | Pro | Ser | Thr | Lys | |
| 203 | 660 | | | | | | 665 | | | | | 670 | | | | 675 | |
| 205 | ctg | tgg | tgt | gct | gct | ggg | gtc | aac | ctg | agt | ggg | tgg | aag | cca | cat | gaa | 2179 |
| 206 | Leu | Trp | Cys | Ala | Ala | Gly | Val | Asn | Leu | Ser | Gly | Trp | Lys | Pro | His | Glu | |
| 207 | | | | | 680 | | | | | 685 | | | | | | 690 | |
| 209 | gag | gac | tct | agc | aat | gga | ccc | aag | cct | gta | cca | ggg | cga | gac | cct | ctg | 2227 |
| 210 | Glu | Asp | Ser | Ser | Asn | Gly | Pro | Lys | Pro | Val | Pro | Gly | Arg | Asp | Pro | Leu | |
| 211 | | | | | 695 | | | | 700 | | | | | 705 | | | |
| 213 | acc | tgt | gac | cgg | gaa | gga | gaa | ggc | gaa | ccc | aag | agc | aca | cac | cca | tca | 2275 |
| 214 | Thr | Cys | Asp | Arg | Glu | Gly | Glu | Gly | Glu | Pro | Lys | Ser | Thr | His | Pro | Ser | |
| 215 | | | 710 | | | | | 715 | | | | | 720 | | | | |
| 217 | cct | gag | aag | aag | aag | gca | aag | gaa | acc | cct | gag | gca | gat | gct | acc | tcc | 2323 |
| 218 | Pro | Glu | Lys | Lys | Lys | Ala | Lys | Glu | Thr | Pro | Glu | Ala | Asp | Ala | Thr | Ser | |
| 219 | | | 725 | | | | | 730 | | | | | 735 | | | | |
| 221 | agt | cgg | gta | tgg | atc | ctc | acc | agc | acc | ctg | aca | acc | agc | aag | gtg | gtg | 2371 |
| 222 | Ser | Arg | Val | Trp | Ile | Leu | Thr | Ser | Thr | Leu | Thr | Thr | Ser | Lys | Val | Val | |
| 223 | 740 | | | | | 745 | | | | | 750 | | | | | 755 | |
| 225 | atc | att | gat | gcc | aac | cag | cca | ggc | aca | att | gtg | gat | cag | ttc | aca | gtc | 2419 |
| 226 | Ile | Ile | Asp | Ala | Asn | Gln | Pro | Gly | Thr | Ile | Val | Asp | Gln | Phe | Thr | Val | |
| 227 | | | | | 760 | | | | | 765 | | | | | | 770 | |
| 229 | tgc | aat | gcc | cac | gtc | ctg | tgt | atc | tcc | agc | att | cct | gcg | gcc | agt | gac | 2467 |
| 230 | Cys | Asn | Ala | His | Val | Leu | Cys | Ile | Ser | Ser | Ile | Pro | Ala | Ala | Ser | Asp | |
| 231 | | | | 775 | | | | | 780 | | | | | 785 | | | |
| 233 | agt | gac | tat | ccc | cct | ggg | gag | atg | ttc | cta | gac | agt | gat | gtg | aac | cct | 2515 |
| 234 | Ser | Asp | Tyr | Pro | Pro | Gly | Glu | Met | Phe | Leu | Asp | Ser | Asp | Val | Asn | Pro | |
| 235 | | | 790 | | | | | 795 | | | | | 800 | | | | |
| 237 | gaa | gat | tca | ggg | gct | gat | ggg | gtg | ctg | gct | ggc | atc | acc | ctg | gtg | ggg | 2563 |
| 238 | Glu | Asp | Ser | Gly | Ala | Asp | Gly | Val | Leu | Ala | Gly | Ile | Thr | Leu | Val | Gly | |
| 239 | | | 805 | | | | 810 | | | | | 815 | | | | | |
| 241 | tgt | gct | acc | cgc | tgc | aat | gtt | cca | cgt | agc | aac | tgt | tcc | tca | cga | gga | 2611 |
| 242 | Cys | Ala | Thr | Arg | Cys | Asn | Val | Pro | Arg | Ser | Asn | Cys | Ser | Ser | Arg | Gly | |
| 243 | 820 | | | | | 825 | | | | | 830 | | | | | 835 | |
| 245 | gac | acc | cca | gta | ctg | gac | aag | ggg | cag | ggg | gat | gtg | gcg | acc | act | gcc | 2659 |
| 246 | Asp | Thr | Pro | Val | Leu | Asp | Lys | Gly | Gln | Gly | Asp | Val | Ala | Thr | Thr | Ala | |
| 247 | | | | | 840 | | | | | 845 | | | | | | 850 | |
| 249 | aat | ggg | aag | gtc | aac | ccg | tcc | caa | tcc | aca | gaa | gaa | gcc | aca | gaa | gcc | 2707 |
| 250 | Asn | Gly | Lys | Val | Asn | Pro | Ser | Gln | Ser | Thr | Glu | Glu | Ala | Thr | Glu | Ala | |
| 251 | | | | 855 | | | | | 860 | | | | | | | 865 | |
| 253 | aca | gag | gtg | cca | gac | cct | ggg | ccc | agc | gag | tca | gaa | gca | acg | aca | gtc | 2755 |
| 254 | Thr | Glu | Val | Pro | Asp | Pro | Gly | Pro | Ser | Glu | Ser | Glu | Ala | Thr | Thr | Val | |
| 255 | | | 870 | | | | | | 875 | | | | | 880 | | | |
| 257 | cgg | ccc | ggg | cct | ctc | aca | gag | cat | gtc | ttt | act | gac | cca | gca | ccc | acc | 2803 |
| 258 | Arg | Pro | Gly | Pro | Leu | Thr | Glu | His | Val | Phe | Thr | Asp | Pro | Ala | Pro | Thr | |

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| | | | | |
|-----|---|------|-----|--|
| 259 | 885 | 890 | 895 | |
| 261 | cca tcc tcc agc acc cag cct gcc agt gag aat ggg tca gaa tcc aat | 2851 | | |
| 262 | Pro Ser Ser Ser Thr Gln Pro Ala Ser Glu Asn Gly Ser Glu Ser Asn | | | |
| 263 | 900 905 910 915 | | | |
| 265 | ggc acc att gta cag cct cag gtg gag ccc agt ggg gaa ctc tca aca | 2899 | | |
| 266 | Gly Thr Ile Val Gln Pro Gln Val Glu Pro Ser Gly Glu Leu Ser Thr | | | |
| 267 | 920 925 930 | | | |
| 269 | aca acc agt agc gct gca ccc act atg tgg cta gga gcc cag aat ggc | 2947 | | |
| 270 | Thr Thr Ser Ser Ala Ala Pro Thr Met Trp Leu Gly Ala Gln Asn Gly | | | |
| 271 | 935 940 945 | | | |
| 273 | tgg ctc tat gtg cat tca gcg gta gcc aac tgg aag aag tgt ctg cac | 2995 | | |
| 274 | Trp Leu Tyr Val His Ser Ala Val Ala Asn Trp Lys Lys Cys Leu His | | | |
| 275 | 950 955 960 | | | |
| 277 | tcc atc aag cta aaa gac tct gtg ctg agc ctg gtg cat gtc aaa ggc | 3043 | | |
| 278 | Ser Ile Lys Leu Lys Asp Ser Val Leu Ser Leu Val His Val Lys Gly | | | |
| 279 | 965 970 975 | | | |
| 281 | cga gtg ctg gta gct ctt gca gat ggg acc ctg gct atc ttc cat cgt | 3091 | | |
| 282 | Arg Val Leu Val Ala Leu Ala Asp Gly Thr Leu Ala Ile Phe His Arg | | | |
| 283 | 980 985 990 995 | | | |
| 285 | gga gag gat ggc cag tgg gac ctg agc aac tac cac cta atg gac ctg | 3139 | | |
| 286 | Gly Glu Asp Gly Gln Trp Asp Leu Ser Asn Tyr His Leu Met Asp Leu | | | |
| 287 | 1000 1005 1010 | | | |
| 289 | ggc cac cca cac cac tcc atc cgc tgc atg gct gtt gtg aat gac cga | 3187 | | |
| 290 | Gly His Pro His His Ser Ile Arg Cys Met Ala Val Val Asn Asp Arg | | | |
| 291 | 1015 1020 1025 | | | |
| 293 | gtt tgg tgt ggc tac aag aac aag gtg cat gtt atc cag ccc aag aca | 3235 | | |
| 294 | Val Trp Cys Gly Tyr Lys Asn Lys Val His Val Ile Gln Pro Lys Thr | | | |
| 295 | 1030 1035 1040 | | | |
| 297 | atg cag att gag aaa tca ttt gat gcc cac cca agg cgg gaa agc cag | 3283 | | |
| 298 | Met Gln Ile Glu Lys Ser Phe Asp Ala His Pro Arg Arg Glu Ser Gln | | | |
| 299 | 1045 1050 1055 | | | |
| 301 | gta cgt cag ctg gcc tgg atc ggt gat gga gtg tgg gtc tct att cgc | 3331 | | |
| 302 | Val Arg Gln Leu Ala Trp Ile Gly Asp Gly Val Trp Val Ser Ile Arg | | | |
| 303 | 1060 1065 1070 1075 | | | |
| 305 | ttg gat tct acc ctt cgg ctc tac cat gct cac acc cac cag cac ctg | 3379 | | |
| 306 | Leu Asp Ser Thr Leu Arg Leu Tyr His Ala His Thr His Gln His Leu | | | |
| 307 | 1080 1085 1090 | | | |
| 309 | cag gat gtg gac att gag ccc tat gtt agc aag atg cta gga acc ggc | 3427 | | |
| 310 | Gln Asp Val Asp Ile Glu Pro Tyr Val Ser Lys Met Leu Gly Thr Gly | | | |
| 311 | 1095 1100 1105 | | | |
| 313 | aag ctg ggc ttc tcc ttc gtg cgc atc aca gcc tta ctc att gca ggc | 3475 | | |
| 314 | Lys Leu Gly Phe Ser Phe Val Arg Ile Thr Ala Leu Leu Ile Ala Gly | | | |
| 315 | 1110 1115 1120 | | | |
| 317 | aac cgt ctg tgg gtg ggc act ggc aat ggg gtt gtc atc tcc atc ccc | 3523 | | |
| 318 | Asn Arg Leu Trp Val Gly Thr Gly Asn Gly Val Val Ile Ser Ile Pro | | | |
| 319 | 1125 1130 1135 | | | |
| 321 | ttg act gag act gtg gtc ctg cat cga ggc cag ctc cta ggg ctc cga | 3571 | | |
| 322 | Leu Thr Glu Thr Val Val Leu His Arg Gly Gln Leu Leu Gly Leu Arg | | | |
| 323 | 1140 1145 1150 1155 | | | |

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/856,617D

DATE: 10/26/2004

TIME: 08:36:54

Input Set : A:\766.52.txt

Output Set: N:\CRF4\10252004\I856617D.raw